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SEQUENCE LISTING

<110> Yamamoto, H. et al.

*Sub  
fix 1*  
~~<120> Plant Vde Genes and Methods Related Thereto~~

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~~<140> US 09/075,375~~

~~<141> 1998-07-05~~

~~<150> US 08/747,574~~

~~<151> 1996-11-07~~

~~<150> PCT/US96/18291~~

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~~<150> US 60/023,502~~

~~<151> 1996-08-08~~

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tcgtgagaga gttaagtaaa gaagagatgg agttttgg tgagatcaa atgaaagcaa	1380
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Gln Pro Pro Thr Asn Ile Ile Met Met Lys Ile Arg Ser Asn Asn Gly	
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Tyr Phe Asn Ser Phe Arg Leu Phe Thr Ser Tyr Lys Thr Ser Ser Phe	
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Ser Asp Ser Ser His Cys Lys Asp Lys Ser Gln Ile Cys Ser Ile Asp	
65 70 75 80	
Thr Ser Phe Glu Glu Ile Gln Arg Phe Asp Leu Lys Arg Gly Met Thr	
85 90 95	
Leu Ile Leu Glu Lys Gln Trp Arg Gln Phe Ile Gln Leu Ala Ile Val	
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Leu Val Cys Thr Phe Val Ile Val Pro Arg Val Asp Ala Val Asp Ala	
115 120 125	
Leu Lys Thr Cys Ala Cys Leu Leu Lys Glu Cys Arg Ile Glu Leu Ala	
130 135 140	
Lys Cys Ile Ala Asn Pro Ser Cys Ala Ala Asn Val Ala Cys Leu Gln	
145 150 155 160	
Thr Cys Asn Asn Arg Pro Asp Glu Thr Glu Cys Gln Ile Lys Cys Gly	
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Asp Leu Phe Glu Asn Ser Val Val Asp Gln Phe Asn Glu Cys Ala Val	
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Ser Arg Lys Lys Cys Val Pro Arg Lys Ser Asp Val Gly Glu Phe Pro	
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Val Pro Asp Arg Asn Ala Val Val Gln Asn Phe Asn Met Lys Asp Phe	
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Ser Gly Lys Trp Tyr Ile Thr Ser Gly Leu Asn Pro Thr Phe Asp Ala	
225 230 235 240	
Phe Asp Cys Gln Leu His Glu Phe His Met Glu Asn Asp Lys Leu Val	
245 250 255	
Gly Asn Leu Thr Trp Arg Ile Lys Thr Leu Asp Gly Gly Phe Phe Thr	
260 265 270	
Arg Ser Ala Val Gln Thr Phe Val Gln Asp Pro Asp Leu Pro Gly Ala	

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Ile Leu Ser Ser Gln Ile Glu Asn Lys Pro Asp Asp Tyr Ile Phe Val		
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Tyr Tyr Arg Gly Arg Asn Asp Ala Trp Asp Gly Tyr Gly Ser Val		
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Ile Tyr Thr Arg Ser Pro Thr Leu Pro Glu Ser Ile Ile Pro Asn Leu		
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Gln Lys Ala Ala Lys Ser Val Gly Arg Asp Phe Asn Asn Phe Ile Thr		
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Leu Pro Gly His Lys Arg Phe Ser Trp Gly Trp Glu Asp Tyr Phe Gly		
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Phe Arg Lys Ser Pro Arg Ile Cys Cys Gly Leu Asp Ser Arg Gly Leu		
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Gln Leu Phe Ser His Gly Lys His Asn Leu Ser Pro Ala His Ser Ile		
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Asn Gln Asn Val Pro Lys Gly Asn Ser Gly Cys Lys Phe Pro Lys Asp		
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Val Ala Leu Met Val Trp Glu Lys Trp Gly Gln Phe Ala Lys Thr Ala		
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Ile Val Ala Ile Phe Ile Leu Ser Val Ala Ser Lys Ala Asp Ala Val		
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Asp Ala Leu Lys Thr Cys Thr Cys Leu Leu Lys Glu Cys Arg Leu Glu		
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Leu Ala Lys Cys Ile Ser Asn Pro Ala Cys Ala Ala Asn Val Ala Cys		
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Leu Gln Thr Cys Asn Asn Arg Pro Asp Glu Thr Glu Cys Gln Ile Lys		
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Cys Gly Asp Leu Phe Glu Asn Ser Val Val Asp Glu Phe Asn Glu Cys		
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Ala Val Ser Arg Lys Lys Cys Val Pro Arg Lys Ser Asp Val Gly Asp		
675	680	685
Phe Pro Val Pro Asp Pro Ser Val Leu Val Gln Lys Phe Asp Met Lys		
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Asp Phe Ser Gly Lys Trp Phe Ile Thr Arg Gly Leu Asn Pro Thr Phe		
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740 745 750  
Phe Thr Arg Ser Ala Val Gln Lys Phe Val Gln Asp Pro Lys Tyr Pro  
755 760 765  
Gly Ile Leu Tyr Asn His Asp Asn Glu Tyr Leu Leu Tyr Gln Asp Asp  
770 775 780  
Trp Tyr Ile Leu Ser Ser Lys Val Glu Asn Ser Pro Glu Asp Tyr Ile  
785 790 795 800  
Phe Val Tyr Tyr Lys Gly Arg Asn Asp Ala Trp Asp Gly Tyr Gly Gly  
805 810 815  
Ser Val Leu Tyr Thr Arg Ser Ala Val Leu Pro Glu Ser Ile Ile Pro  
820 825 830  
Glu Leu Gln Thr Ala Ala Gln Lys Val Gly Arg Asp Phe Asn Thr Phe  
835 840 845  
Ile Lys Thr Asp Asn Thr Cys Gly Pro Glu Pro Pro Leu Val Glu Arg  
850 855 860  
Leu Glu Lys Lys Val Glu Glu Gly Glu Arg Thr Ile Ile Lys Glu Val  
865 870 875 880  
Glu Glu Ile Glu Glu Val Glu Lys Val Arg Asp Lys Glu Val Thr  
885 890 895  
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Glu Asn Phe Leu Arg Glu Leu Ser Lys Glu Glu Met Asp Val Leu Asp  
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Gly Leu Lys Met Glu Ala Thr Glu Val Glu Lys Leu Phe Gly Arg Ala  
930 935 940  
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Pro Cys His Asp Arg Ile Arg Phe Phe Ser Ser Asp Asp Gly Ile Gly  
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995 1000 1005  
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Ile Val Pro Ser Ala Asp Ala Val Asp Ala Leu Lys Thr Cys Ala Cys  
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Val Val Asp Glu Phe Asn Glu Cys Ala Val Ser Arg Lys Lys Cys Val  
1125 1130 1135  
Pro Arg Lys Ser Asp Leu Gly Glu Phe Pro Ala Pro Asp Pro Ser Val  
1140 1145 1150  
Leu Val Gln Asn Phe Asn Ile Ser Asp Phe Asn Gly Lys Trp Tyr Ile

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Thr Ser Gly Leu Asn Pro	Thr Phe Asp Ala Phe Asp Cys Gln	Leu His
1170	1175	1180
Glu Phe His Thr Glu Gly Asp Asn Lys	Leu Val Gly Asn Ile Ser Trp	
1185	1190	1195
Arg Ile Lys Thr Leu Asp Ser Gly Phe	Phe Thr Arg Ser Ala Val Gln	1200
1205	1210	1215
Lys Phe Val Gln Asp Pro Asn Gln	Pro Gly Val Leu Tyr Asn His Asp	
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Asn Glu Tyr Leu His Tyr Gln Asp Asp	Trp Tyr Ile Leu Ser Ser Lys	
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Ile Glu Asn Lys Pro Glu Asp Tyr	Ile Phe Val Tyr Tyr Arg Gly Arg	
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Asn Asp Ala Trp Asp Gly Tyr Gly	Ala Val Val Tyr Thr Arg Ser	
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Ser Val Leu Pro Asn Ser Ile Ile Pro	Glu Leu Glu Lys Ala Ala Lys	1280
1285	1290	1295
Ser Ile Gly Arg Asp Phe Ser Thr	Phe Ile Arg Thr Asp Asn Thr Cys	
1300	1305	1310
Gly Pro Glu Pro Ala Leu Val Glu Arg	Ile Glu Lys Thr Val Glu Glu	
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Gly Glu Arg Ile Ile Val Lys Glu Val Glu Glu Ile Glu Glu Val		
1330	1335	1340
Glu Lys Glu Val Glu Lys Val Gly Arg	Thr Glu Met Thr Leu Phe Gln	
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Arg Leu Ala Glu Gly Phe Asn Glu Leu Lys Gln Asp Glu Glu Asn Phe		1360
1365	1370	1375
Val Arg Glu Leu Ser Lys Glu Glu Met Glu Phe Leu Asp Glu Ile Lys		
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18